

FILE NAME: I:\Shop DWGs Current\M-3226ESBF - The Rivers School\Rev.2\1st FLOOR PLAN.dwg

REVISIONS

Copyright © 2006 MechoShade Systems Inc.

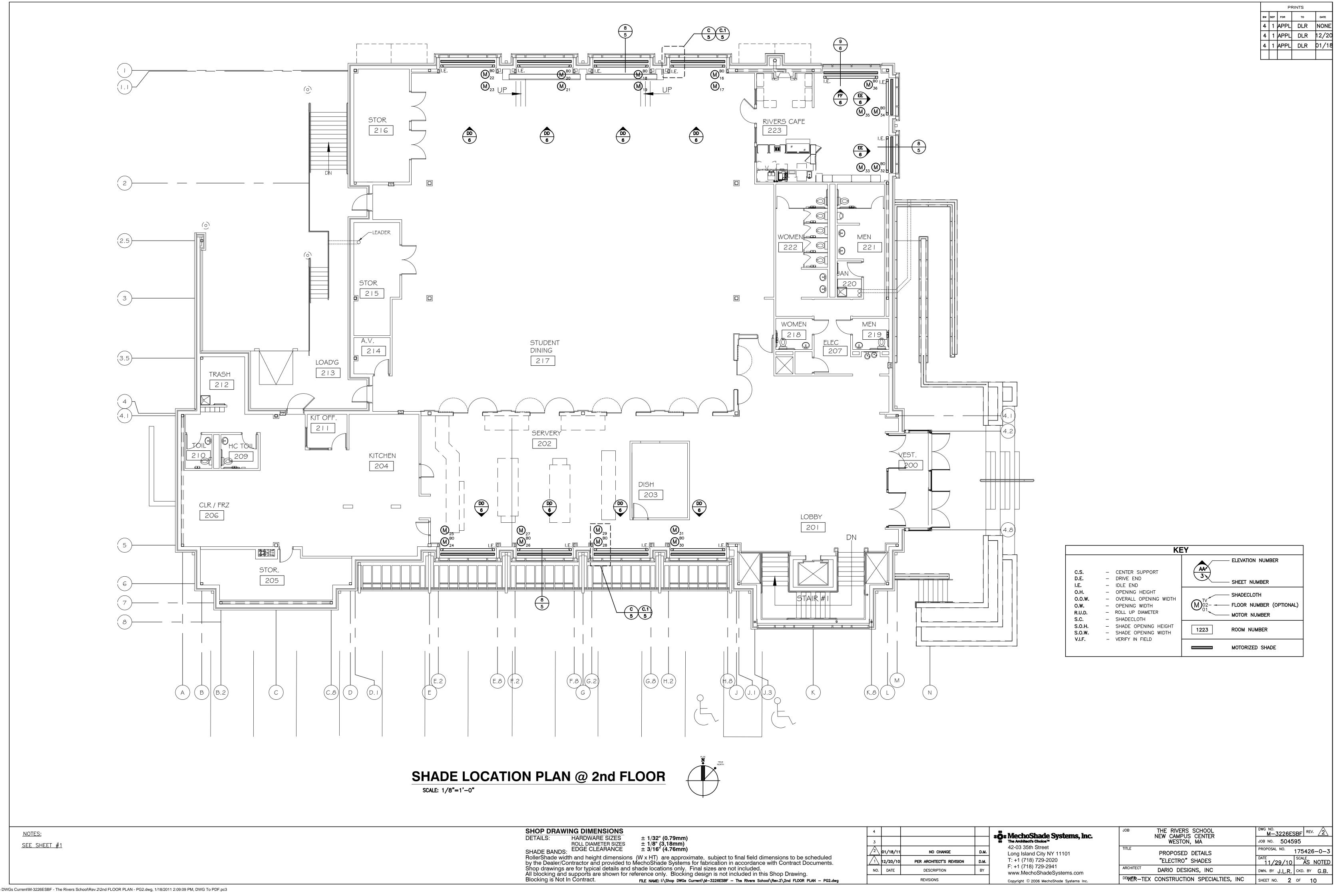
Blocking is Not In Contract.

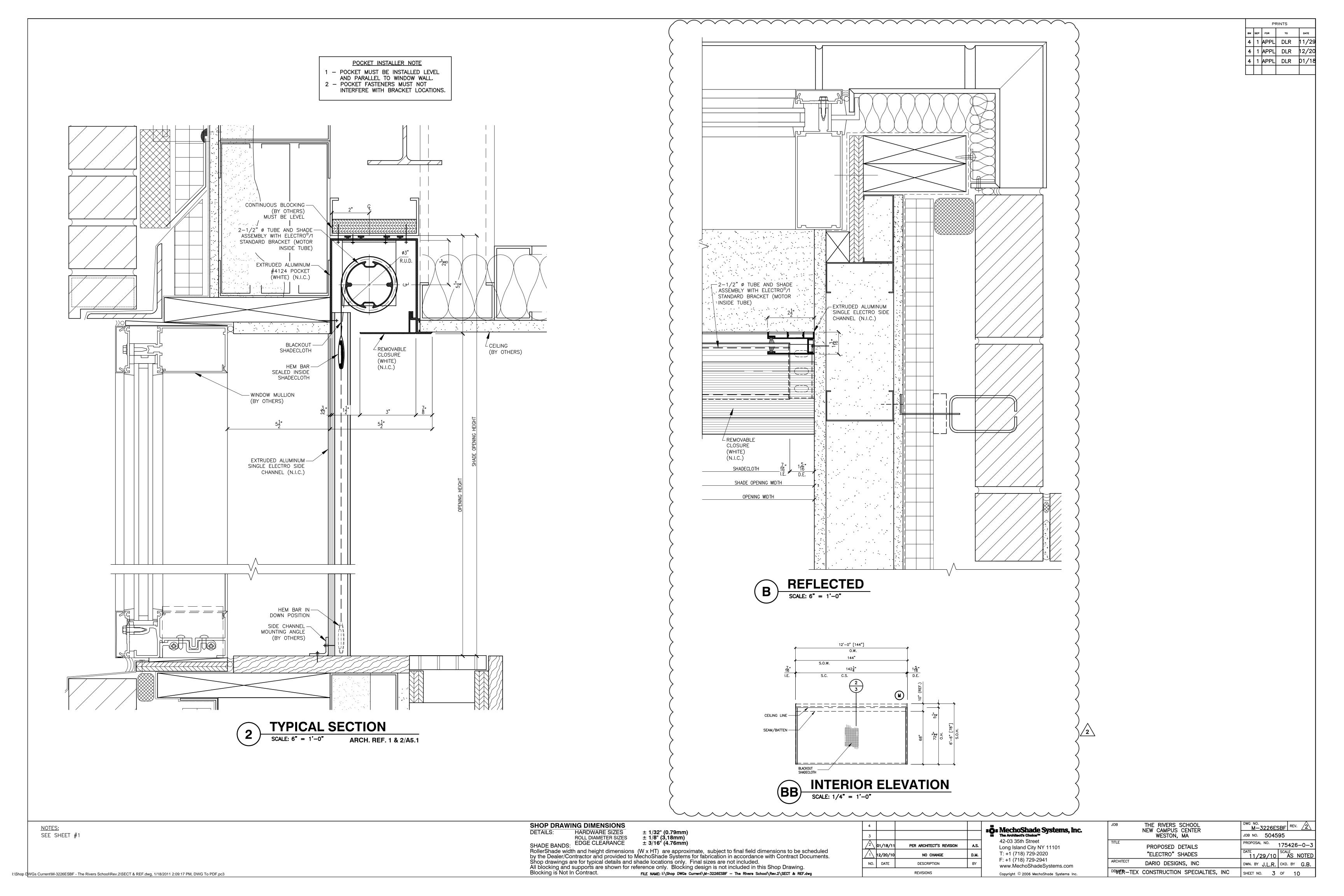
DEWER-TEX CONSTRUCTION SPECIALTIES, INC

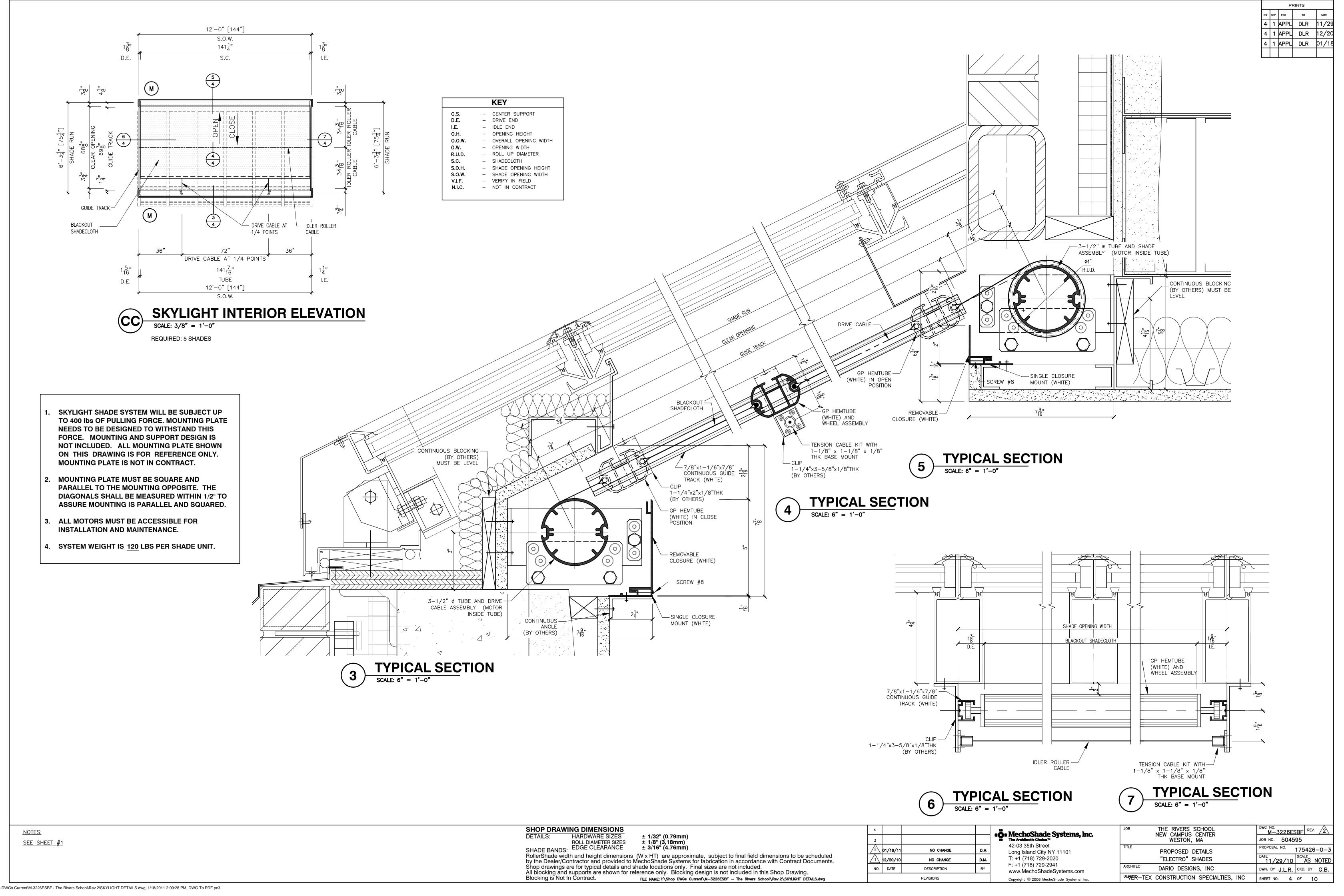
SHEET NO. 1 OF 10

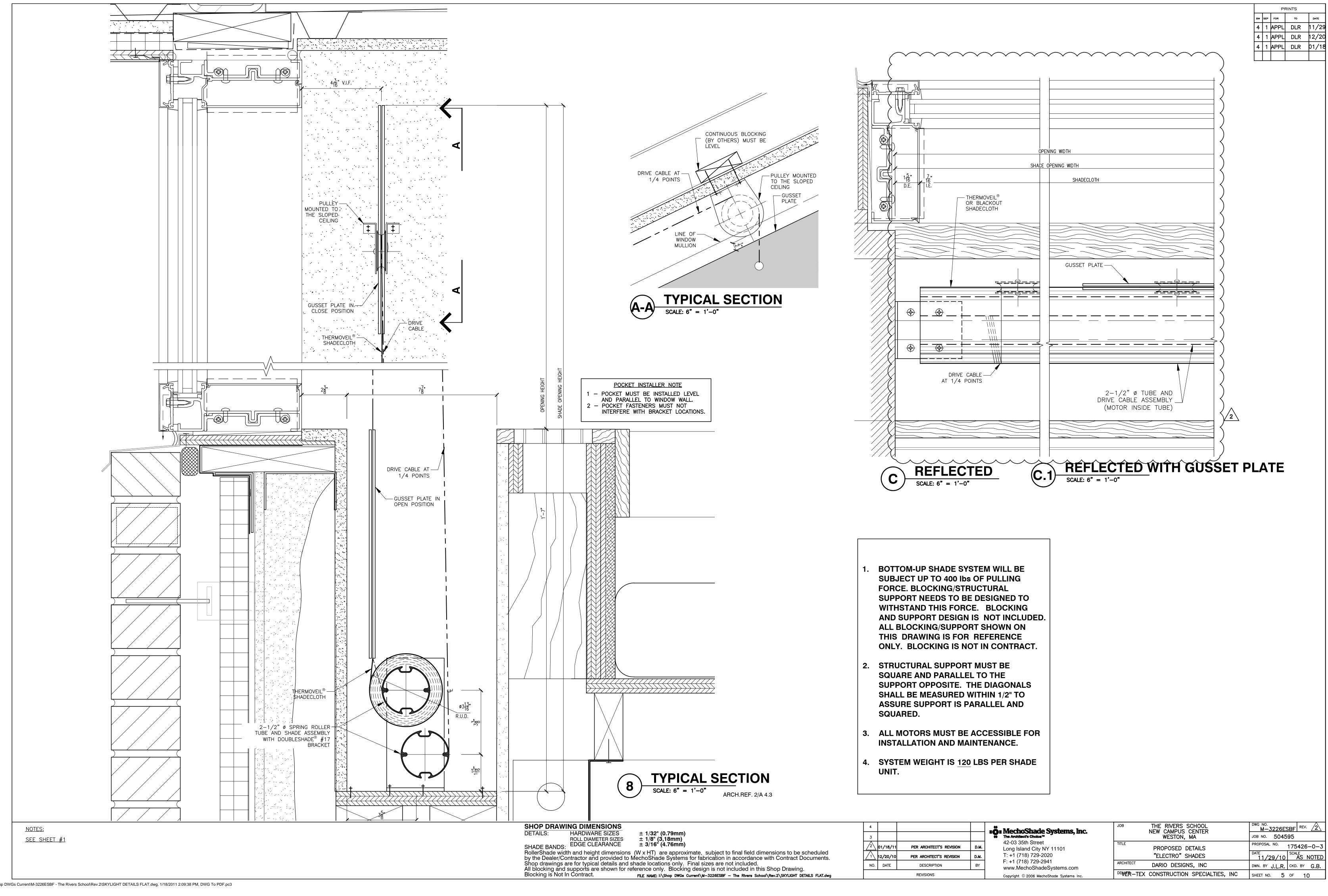
— STANDARD MechoShade COLOR AS APPROVED BY ARCHITECT.

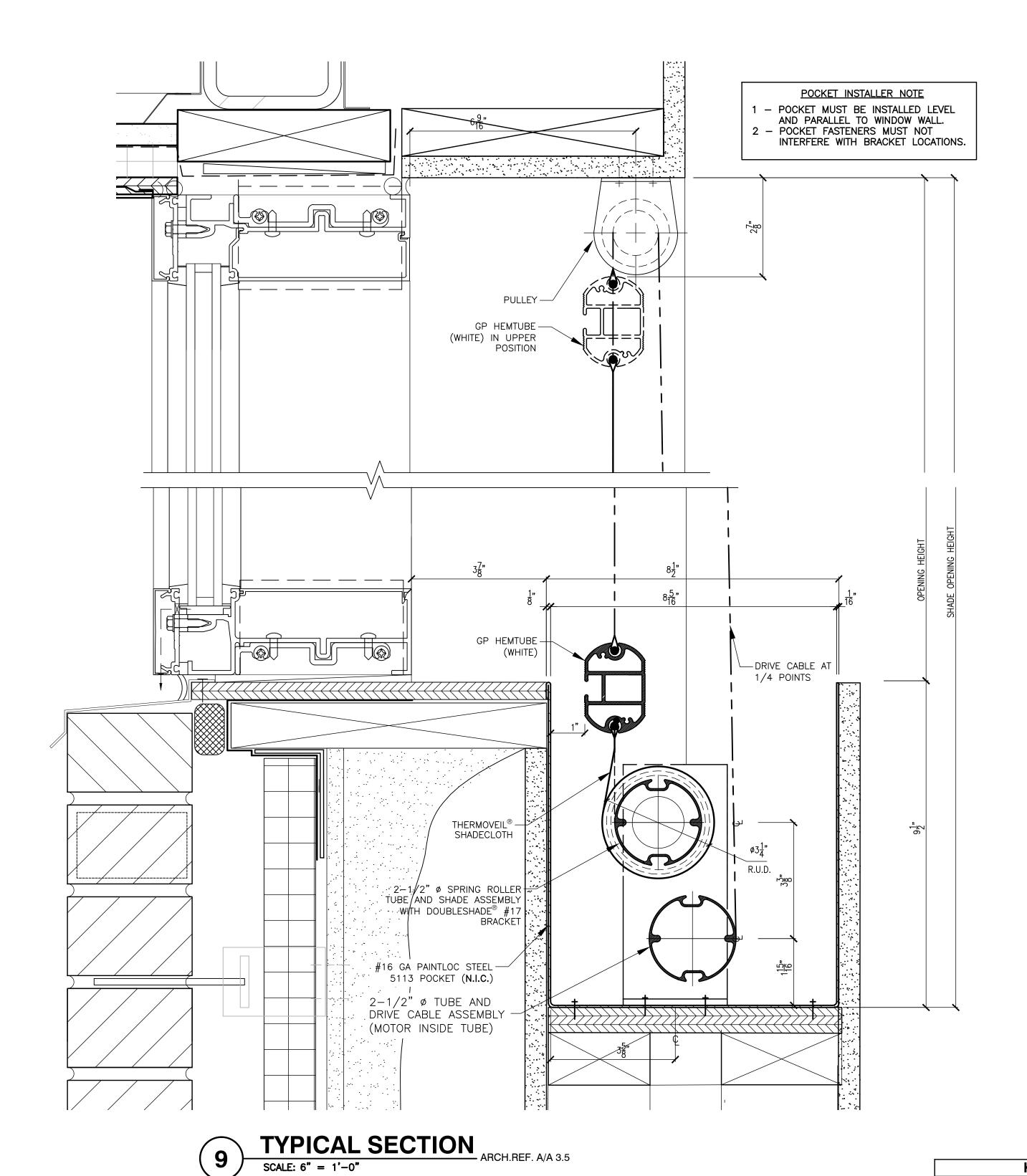
I:\Shop DWGs Current\M-3226ESBF - The Rivers School\Rev.2\1st FLOOR PLAN.dwg, 1/18/2011 2:08:58 PM, DWG To PDF.pc3

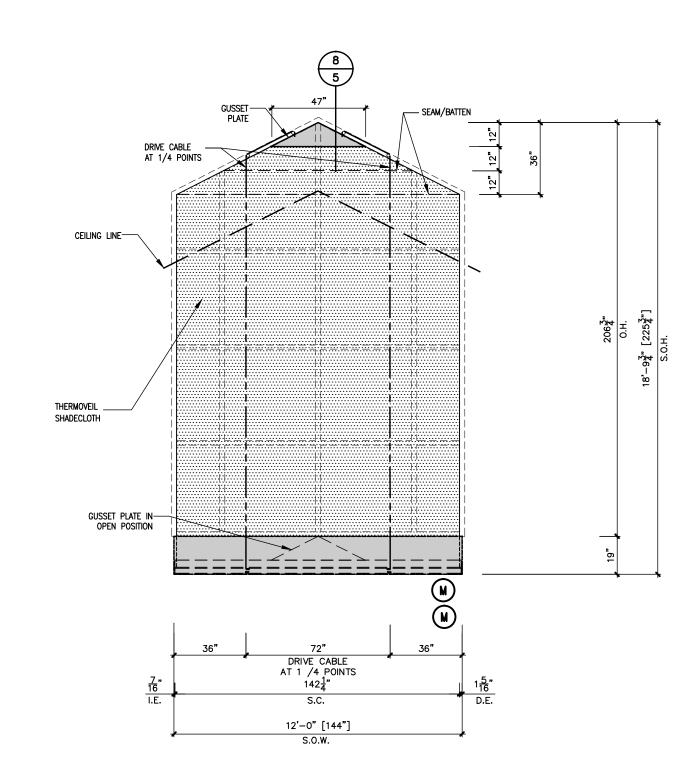


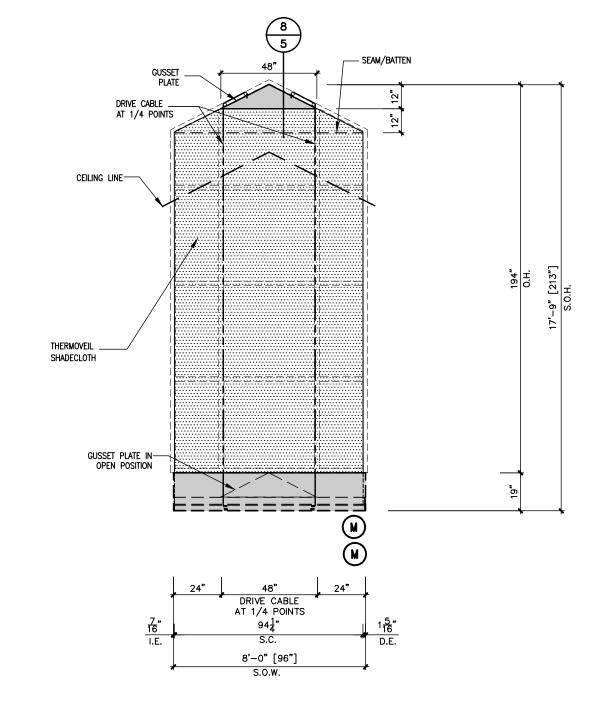






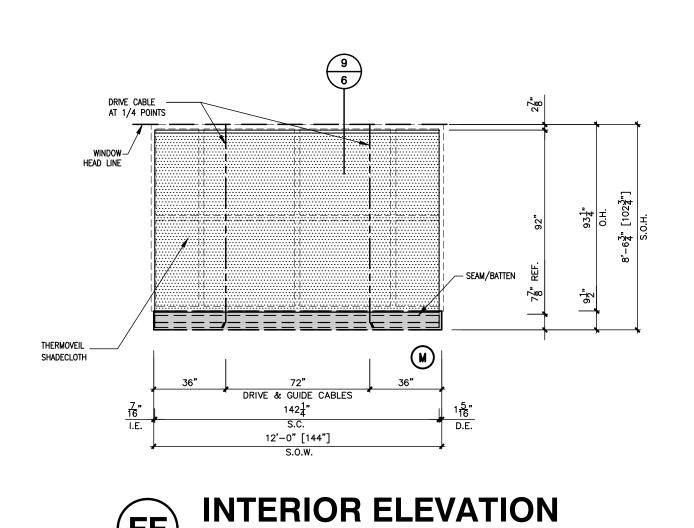




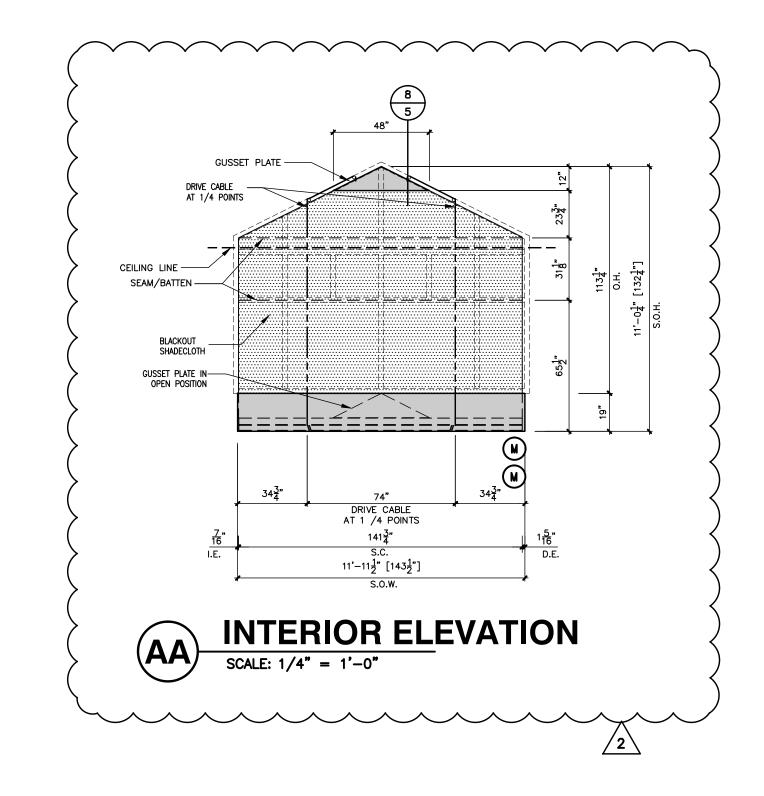


INTERIOR ELEVATION REQUIRED: 8 SHADES





REQUIRED: 1 SHADE



	K	KEY
C.S.	_ C	ENTER SUPPORT
D.E.	– D	RIVE END
I.E.	- 10	DLE END
о.н.	- C	PENING HEIGHT
0.0.W.	- C	VERALL OPENING WIDTH
o.w.	- O	PENING WIDTH
R.U.D.	– R	OLL UP DIAMETER
s.c.	– S	HADECLOTH
S.O.H.	– S	HADE OPENING HEIGHT
1 cow	c	HADE ODENING WIDTH

 SHADE OPENING WIDTH S.O.W. VERIFY IN FIELD NOT IN CONTRACT

NOTES: SEE SHEET #1 SHOP DRAWING DIMENSIONS HARDWARE SIZES DETAILS:

± 1/32" (0.79mm) ± 1/8" (3,18mm) ± 3/16" (4.76mm)

ROLL DIAMETER SIZES ± 1/8" (3,18mm)

SHADE BANDS: EDGE CLEARANCE ± 3/16" (4.76mm)

RollerShade width and height dimensions (W x HT) are approximate, subject to final field dimensions to be scheduled by the Dealer/Contractor and provided to MechoShade Systems for fabrication in accordance with Contract Documents. Shop drawings are for typical details and shade locations only. Final sizes are not included.

All blacking and supports are shown for reference only. Blacking design is not included in this Shop Drawing. All blocking and supports are shown for reference only. Blocking design is not included in this Shop Drawing.

Blocking is Not In Contract.

FILE NAME: I:\Shop DWGs Current\M-3226ESBF - The Rivers School\Rev.2\SKYLIGHT DETA FILE NAME: I:\Shop DWGs Current\M-3226ESBF - The Rivers School\Rev.2\SKYLIGHT DETAILS FLAT.dwg

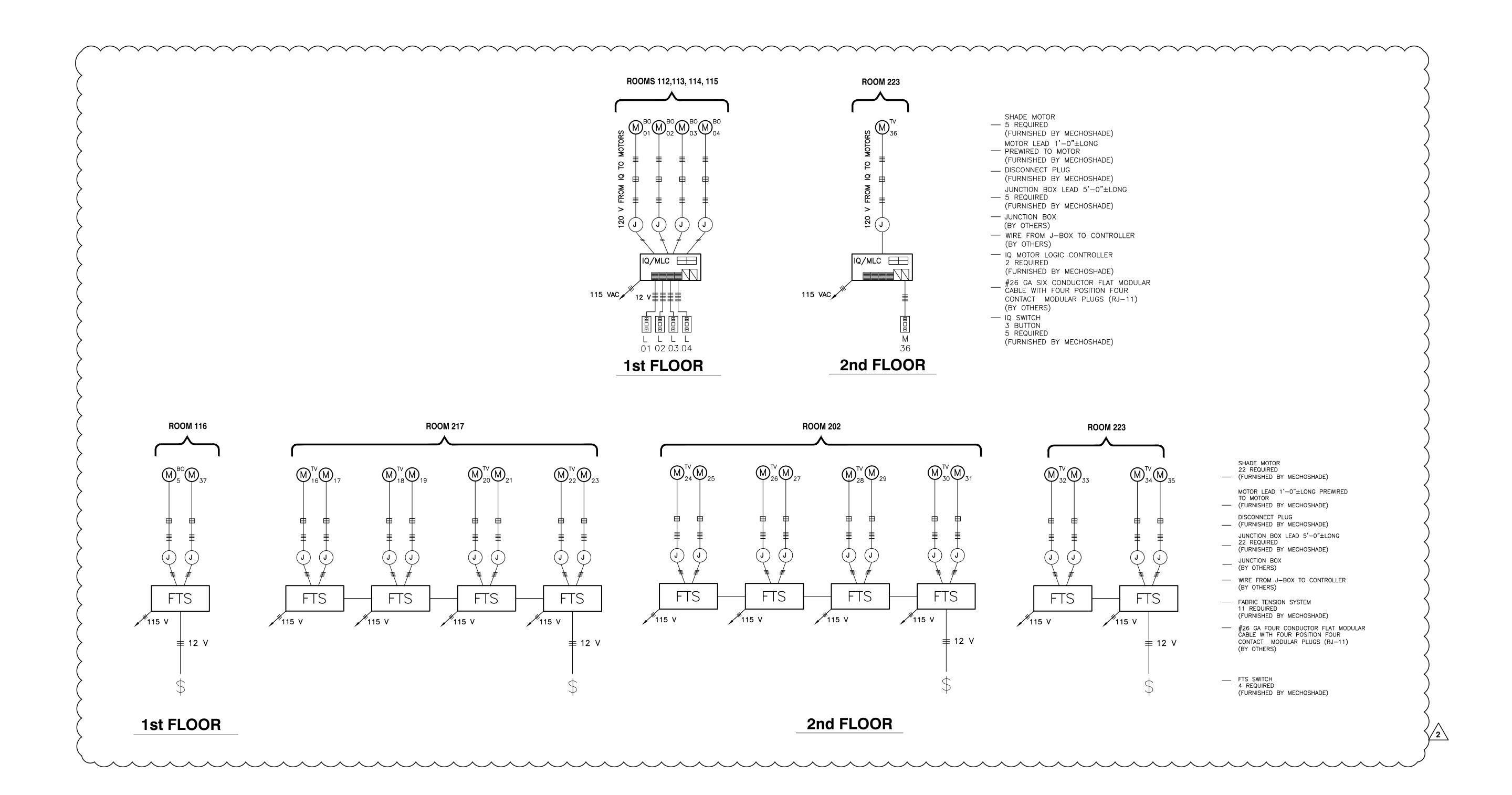
4			
3			
2	01/18/11	PER ARCHITECT'S REVISION	D.M.
$\sqrt{1}$	12/20/10	PER ARCHITECT'S REVISION	D.M.
NO.	DATE	DESCRIPTION	BY
	-	REVISIONS	

* MechoShade Systems, Inc.
The Architect's Choice™ 42-03 35th Street Long Island City NY 11101 T: +1 (718) 729-2020 F: +1 (718) 729-2941 www.MechoShadeSystems.com Copyright © 2006 MechoShade Systems Inc.

THE RIVERS SCHOOL NEW CAMPUS CENTER WESTON, MA M-3226ESBF REV. 2 JOB NO. 504595 PROPOSAL NO. 175426-0-3 PROPOSED DETAILS 11/29/10 SCALE NOTED "ELECTRO" SHADES DARIO DESIGNS, INC DWN. BY J.L.R. CKD. BY G.B. DEWER-TEX CONSTRUCTION SPECIALTIES, INC SHEET NO. 6 OF 10

BW SEP FOR TO DATE 4 1 APPL DLR 11/29 4 1 APPL DLR 12/20 4 1 APPL DLR 01/18

SHEET NO. 7 OF 10



WIRING SCHEMATIC

SCALE: N.T.S.

I:\Shop DWGs Current\M-3226ESBF - The Rivers School\Rev.2\WIRING.dwg, 1/18/2011 2:09:45 PM, DWG To PDF.pc3

THE RIVERS SCHOOL NEW CAMPUS CENTER WESTON, MA DWG NO. M-3226ESBF REV. 2 SHOP DRAWING DIMENSIONS * MechoShade Systems, Inc.
The Architect's Choice™ ± 1/32" (0.79mm) ± 1/8" (3,18mm) ± 3/16" (4.76mm) HARDWARE SIZES SEE SHEET #1 ROLL DIAMETER SIZES
SHADE BANDS:
EDGE CLEARANCE JOB NO. 504595 2 01/18/11 42-03 35th Street PROPOSAL NO. 175426-0-3 PER ARCHITECT'S REVISION PROPOSED DETAILS Long Island City NY 11101 RollerShade width and height dimensions (W x HT) are approximate, subject to final field dimensions to be scheduled by the Dealer/Contractor and provided to MechoShade Systems for fabrication in accordance with Contract Documents. 1 12/20/10 T: +1 (718) 729-2020 PER ARCHITECT'S REVISION "ELECTRO" SHADES F: +1 (718) 729-2941 Shop drawings are for typical details and shade locations only. Final sizes are not included.

All blocking and supports are shown for reference only. Blocking design is not included in this Shop Drawing.

Blocking is Not In Contract.

FILE NAME: I:\Shop DWGs Current\M-3226ESBF - The Rivers School\Rev.2\WIRING.dwg DARIO DESIGNS, INC NO. DATE DESCRIPTION DWN. BY J.L.R. CKD. BY G.B. www.MechoShadeSystems.com DEWER-TEX CONSTRUCTION SPECIALTIES, INC

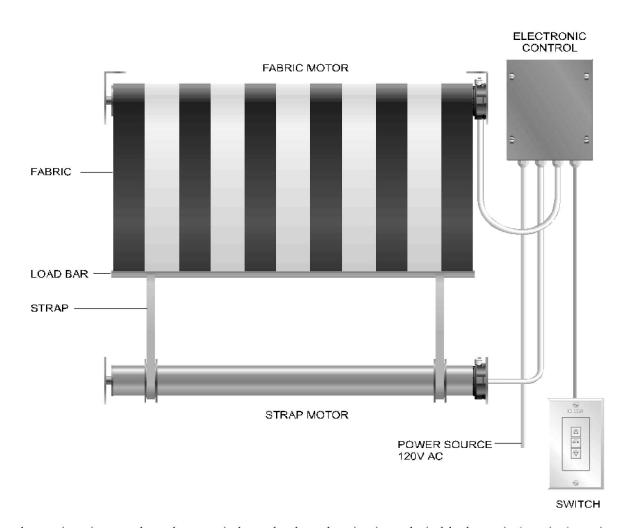
REVISIONS

Copyright © 2006 MechoShade Systems Inc.

FTS – Fabric Tension System

The FTS is a specialized system designed for the solar protection market where horizontal or inclined type

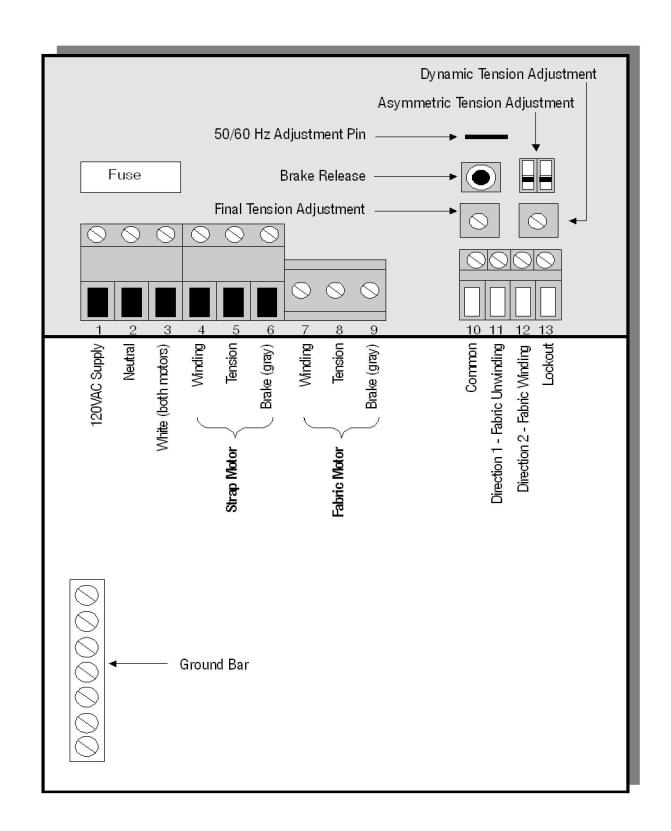
The system consists of 2 specific operators (or 'motors'), an electronic control unit, and a switch. One operator is inserted into the fabric roll-up tube and is referred to as the fabric motor, and the other is inserted into the strap take-up tube and is called the strap motor. While not every application will have a load bar and straps as in the diagram below, these references will help to reduce confusion during



The electronic unit controls each motor independently and maintains a desirable dynamic (moving) tension as well as final tension in the system, eliminating fabric sag while the fabric is both moving and standing. Adjustments to both dynamic and final tension can be made via the electronic control.

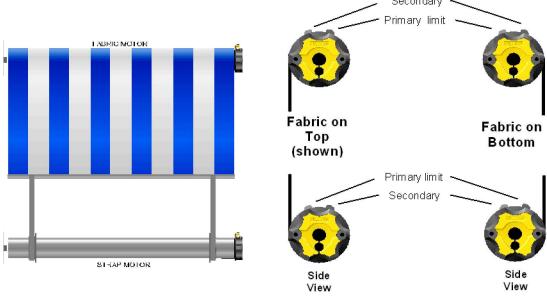
FTS Control Diagram

The diagram below highlights the user-accessible adjustments to the FTS Control.



Limit Setting

Both limits will be set on each motor. Use the following illustrations to determine which limits are set for a given motor rotation and fabric orientation. Before proceeding, press in



At this point, it is assumed that the correct size operators have been selected using the SOMFY FTS selector chart. Operators should be fit into tubes in accordance with standard installation instructions, using the correct crown and drive. All mechanical accessories of the system, and the mounting method must be capable of withstanding the tension and forces exerted by the motors. Both limit switches on each motor should be depressed and locked in the "in" position.

The motorized tubes should be mounted onto their respective brackets. The locking stop ring included with each operator MUST be used with the motor end bracket. Ensure that the motorized tubes are parallel. Do not connect straps to strap motor (at this

Attach fabric to the fabric tube. Connect the test cable to the motor leads as shown in the

Fabric Motor	Test Cable	Strap Motor
Fabric Winding	Black	
Gray	Brown	Gray
Green	Green	Green
White	White	White
	Red	Strap Winding

Follow these directions carefully to avoid injury or damage

1. Wind the fabric around the fabric tube using the tester cable. When the desired position is reached, set the fabric tube limit by pressing and releasing the PRIMARY limit

2. Attach the pulleys and straps to strap tube. Adjust the straps as required to ensure that they are all the same length.

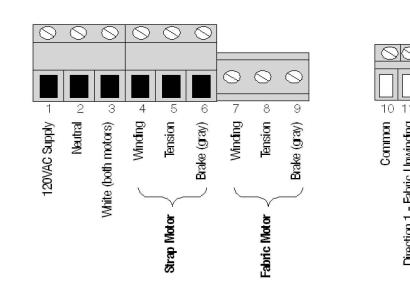
Using the tester cable, wind the straps around the strap tube. When the desired position is reached, press and release the PRIMARY strap motor limit. Then press and release the SECONDARY fabric motor limit.

- 3. Wind the fabric around the fabric motor, again. When the desired position is reached (note: fabric motor will stop itself at its previously set limit), press and release the secondary limit on the strap motor.
- 4. Before connecting the motors to the controller, run the system (using the tester cable) in both directions to verify that the system works correctly within its newly set limits. NOTE: If any limits need to be readjusted, be sure to re-set both the primary and secondary limits for the system in the correct order as described above.

Final Connections

Before connecting the operators to the electronic control, set the tension adjustment potentiometers to "0" and ensure that all the dip switches are in the "off" position.

Connect the motors and switch to the electronic control as shown:

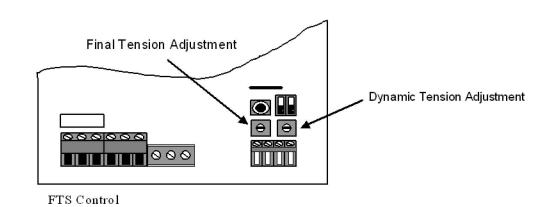


Check that the system operates correctly with respect to the switch directions. Make sure the limits have been properly set. At this point, there may be some fabric sag — this is normal.

Go to Setting Dynamic and Final Tension.

Setting Dynamic and Final Tension

Beginning with dynamic tension, set the dynamic and final tensions of the system by gradually increasing the settings on the potentiometers. The Dynamic Tension Adjustment is located above the switch input terminals, as shown below. If your FTS System is mounted vertically, see "FTS Adjustment For Vertical Mounting," then come

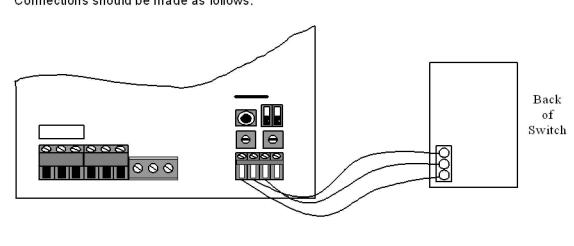


Zero is the lowest setting; turning the adjustment higher (9 is the highest) will increase the amount of tension and reduce the amount of sag while the motors are running. Gradually adjust the tension to a desirable setting, then adjust the final tension.

Normally, when the FTS receives a stop command or the motors hit their limits, the motors stop, and then the FTS control will run one motor briefly to adjust the final tension. When setting the final tension of the system, care should be taken to ensure that all the mounting hardware and support are capable of withstanding the load. Again, zero is the lowest setting and 9 is the highest. Start at zero and gradually adjust the final tension to a desirable setting.

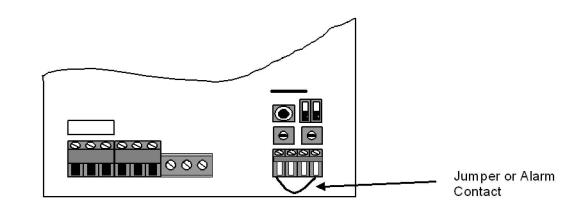
Switch Connections

The FTS Switch has three terminals, for Direction 1, Direction 2, and Common. Connections should be made as follows:



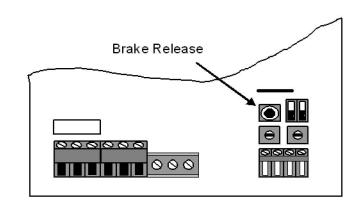
Open Window Lockout

The FTS control features input terminals for an Open Window Lockout signal. When connected to an open window alarm contact, this feature helps prevent damage to the system by disabling the control when the window is open. If an alarm contact is used, the circuit should be opened when the control is to be locked out. Similarly, if this feature is not used, there should be a jumper in place as shown.



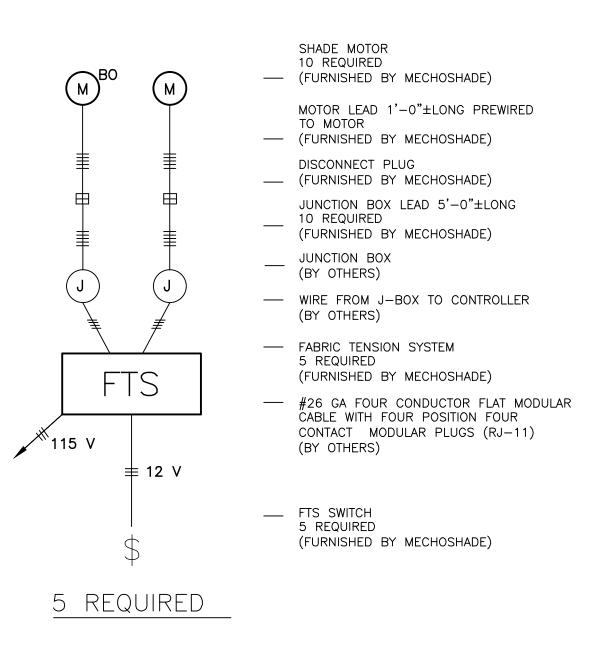
Strap Adjustment and Fabric Repair

If the Straps must be adjusted or the system must be disassembled for service, the first step is to disengage the motor brakes. Simply press the Brake Release button inside the electronic control unit. When finished, the system will automatically take up any slack in the fabric and continue to operate normally.

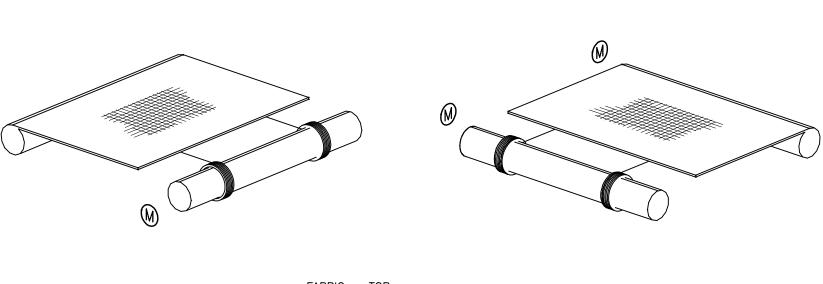


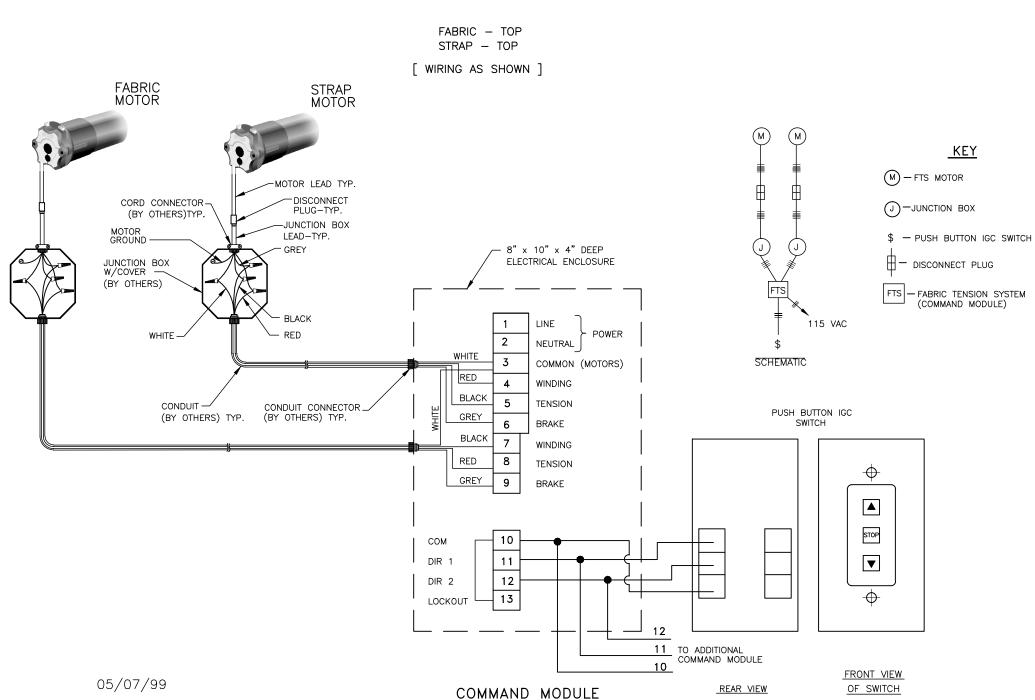
PRELIMINARY WIRING CONNECTIONS.

VERIFY MOTOR LOCATION IN FIELD. FINAL WIRING CONNECTIONS TO BE PROVIDED AFTER RECEIPT OF "AS BUILT" WIRING INFORMATION.



WIRING SCHEMATIC





STANDARD WIRING DIAGRAM 2 MOTORS W/ 1 FTS MODULES ON ONE SWITCH

Copyright © 2001 MechoShade Systems Inc

SHOP DRAWING DIMENSIONS HARDWARE SIZES **ROLL DIAMETER SIZES** SHADE BANDS: EDGE CLEARANCE

± 3/16" (4.76mm) RollerShade width and height dimensions (W x HT) are approximate, subject to final field dimensions to be scheduled by the Dealer/Contractor and provided to MechoShade Systems for fabrication in accordance with Contract Documents. Shop drawings are for typical details and shade locations only. Final sizes are not included. All blocking and supports are shown for reference only. Blocking design is not included in this Shop Drawing. Blocking is Not In Contract. FILE NAME: I:\Shop DWGs Current\M-3226ESBF - The Rivers School\Rev.2\fts-instuctions-#1.dwg

± 1/32" (0.79mm) ± 1/8" (3,18mm)

2 01/18/11

1 12/20/10

NO. DATE

REVISIONS

	JOB THE RIVERS SCHOOL NEW CAMPUS CENTER WESTON, MA	DWG NO. M-3226ESBF REV. 2 JOB NO. 504595
	TITLE PROPOSED DETAILS	PROPOSAL NO. 175426-0-3
	"ELECTRO" SHADES	DATE SCALE AS NOTED
	ARCHITECT DARIO DESIGNS, INC	DWN. BY J.L.R. CKD. BY G.B.
٥.	DEWER-TEX CONSTRUCTION SPECIALTIES, INC	SHEET NO. 8 OF 10
	·	

BW SEP FOR TO DATE |4|1|APPL| DLR |11/29

4 1 APPL DLR 12/20

4 1 APPL DLR 01/18

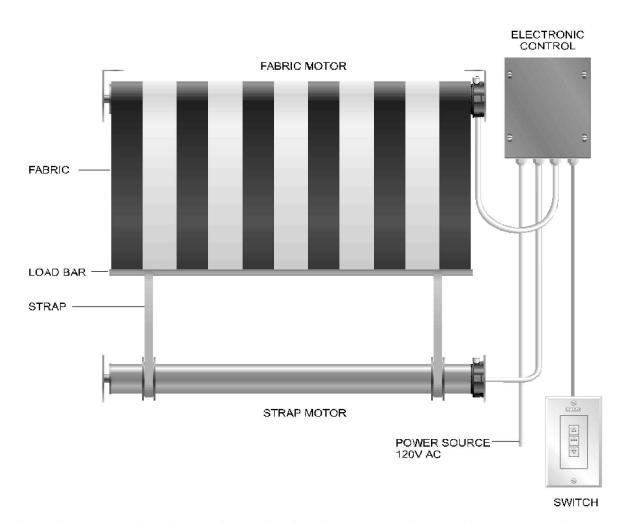
<u>NOTES:</u> SEE SHEET #1

I:\Shop DWGs Current\M-3226ESBF - The Rivers School\Rev.2\fts-instuctions-#1.dwg, 1/18/2011 2:09:51 PM, DWG To PDF.pc3

FTS – Fabric Tension System

The FTS is a specialized system designed for the solar protection market where horizontal or inclined type

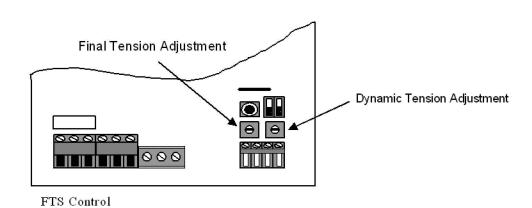
The system consists of 2 specific operators (or 'motors'), an electronic control unit, and a switch. One operator is inserted into the fabric roll-up tube and is referred to as the fabric motor, and the other is inserted into the strap take-up tube and is called the strap motor. While not every application will have a load bar and straps as in the diagram below, these references will help to reduce confusion during



The electronic unit controls each motor independently and maintains a desirable dynamic (moving) tension as well as final tension in the system, eliminating fabric sag while the fabric is both moving and standing. Adjustments to both dynamic and final tension can be made via the electronic control.

Setting Dynamic and Final Tension

Beginning with dynamic tension, set the dynamic and final tensions of the system by gradually increasing the settings on the potentiometers. The Dynamic Tension Adjustment is located above the switch input terminals, as shown below. If your FTS System is mounted vertically, see "FTS Adjustment For Vertical Mounting," then come back to this section.

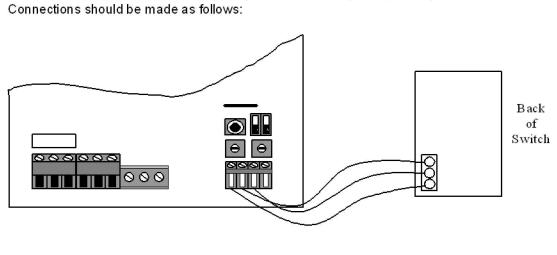


Zero is the lowest setting; turning the adjustment higher (9 is the highest) will increase the amount of tension and reduce the amount of sag while the motors are running. Gradually adjust the tension to a desirable setting, then adjust the final tension.

Normally, when the FTS receives a stop command or the motors hit their limits, the motors stop, and then the FTS control will run one motor briefly to adjust the final tension. When setting the final tension of the system, care should be taken to ensure that all the mounting hardware and support are capable of withstanding the load. Again, zero is the lowest setting and 9 is the highest. Start at zero and gradually adjust the final tension to a desirable setting.

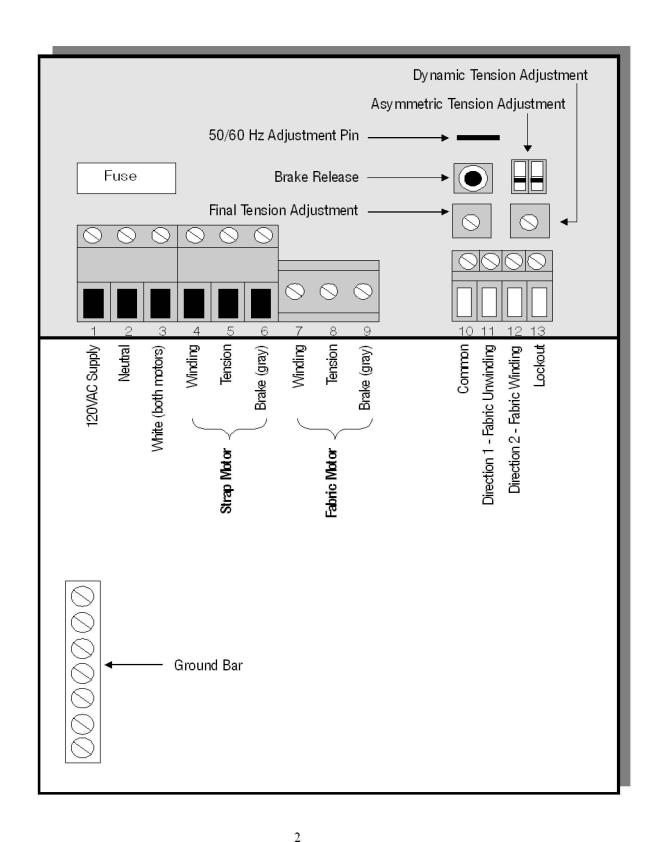
Switch Connections

The FTS Switch has three terminals, for Direction 1, Direction 2, and Common.



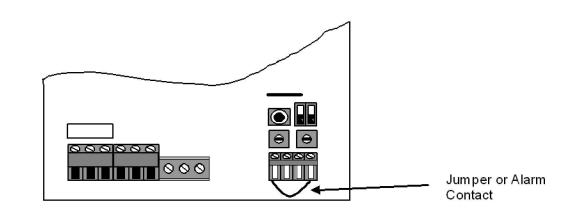
FTS Control Diagram

The diagram below highlights the user-accessible adjustments to the FTS Control.



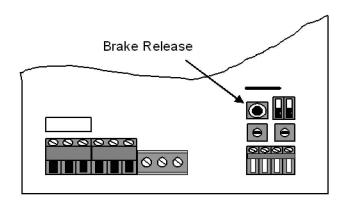
Open Window Lockout

The FTS control features input terminals for an Open Window Lockout signal. When connected to an open window alarm contact, this feature helps prevent damage to the system by disabling the control when the window is open. If an alarm contact is used, the circuit should be opened when the control is to be locked out. Similarly, if this feature is not used, there should be a jumper in place as shown.



Strap Adjustment and Fabric Repair

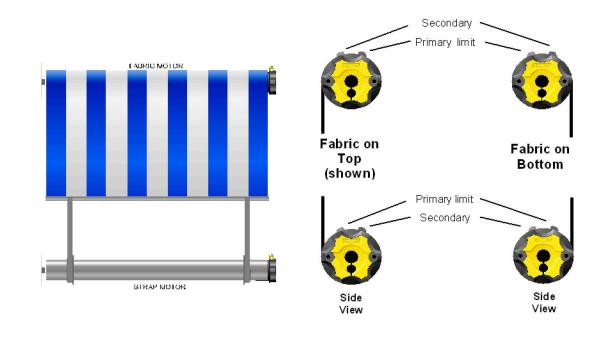
If the Straps must be adjusted or the system must be disassembled for service, the first step is to disengage the motor brakes. Simply press the Brake Release button inside the electronic control unit. When finished, the system will automatically take up any slack in the fabric and continue to operate normally.



WIRING INFORMATION ON THIS PAGE APPLIES ONLY TO SHADES LABELED WT#2 ON LOCATION PLAN - SHEET# 1

Limit Setting

Both limits will be set on each motor. Use the following illustrations to determine which limits are set for a given motor rotation and fabric orientation. Before proceeding, press in both limits on each motor.



At this point, it is assumed that the correct size operators have been selected using the SOMFY FTS selector chart. Operators should be fit into tubes in accordance with standard installation instructions, using the correct crown and drive. All mechanical accessories of the system, and the mounting method must be capable of withstanding the tension and forces exerted by the motors. Both limit switches on each motor should be depressed and locked in the "in" position.

The motorized tubes should be mounted onto their respective brackets. The locking stop ring included with each operator MUST be used with the motor end bracket. Ensure that the motorized tubes are parallel. Do not connect straps to strap motor (at this

Attach fabric to the fabric tube. Connect the test cable to the motor leads as shown in the table below:

Fabric Motor	Test Cable	Strap Motor
Fabric Winding	Black	
Gray	Brown	Gray
Green	Green	Green
White	White	White
	Red	Strap Winding

PRELIMINARY WIRING CONNECTIONS.

VERIFY MOTOR LOCATION IN FIELD. FINAL WIRING CONNECTIONS TO BE PROVIDED AFTER RECEIPT OF "AS BUILT" WIRING INFORMATION.

Follow these directions carefully to avoid injury or damage

1. Wind the fabric around the fabric tube using the tester cable. When the desired position is reached, set the fabric tube limit by pressing and releasing the PRIMARY limit

2. Attach the pulleys and straps to strap tube. Adjust the straps as required to ensure that they are all the same length.

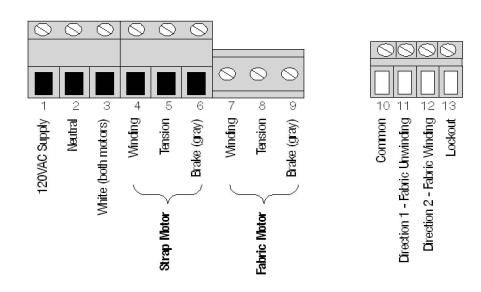
Using the tester cable, wind the straps around the strap tube. When the desired position is reached, press and release the PRIMARY strap motor limit. Then press and release the SECONDARY fabric motor limit.

- 3. Wind the fabric around the fabric motor, again. When the desired position is reached (note: fabric motor will stop itself at its previously set limit), press and release the secondary limit on the strap motor.
- 4. Before connecting the motors to the controller, run the system (using the tester cable) in both directions to verify that the system works correctly within its newly set limits. NOTE: If any limits need to be readjusted, be sure to re-set both the primary and secondary limits for the system in the correct order as described above.

Final Connections

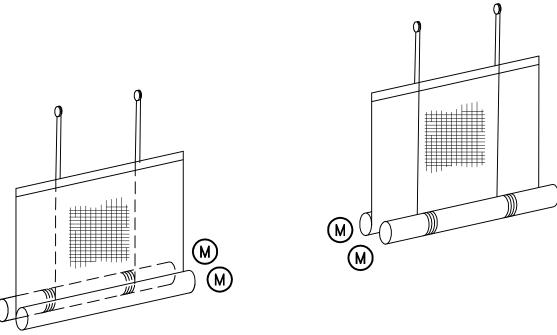
Before connecting the operators to the electronic control, set the tension adjustment potentiometers to "0" and ensure that all the dip switches are in the "off" position.

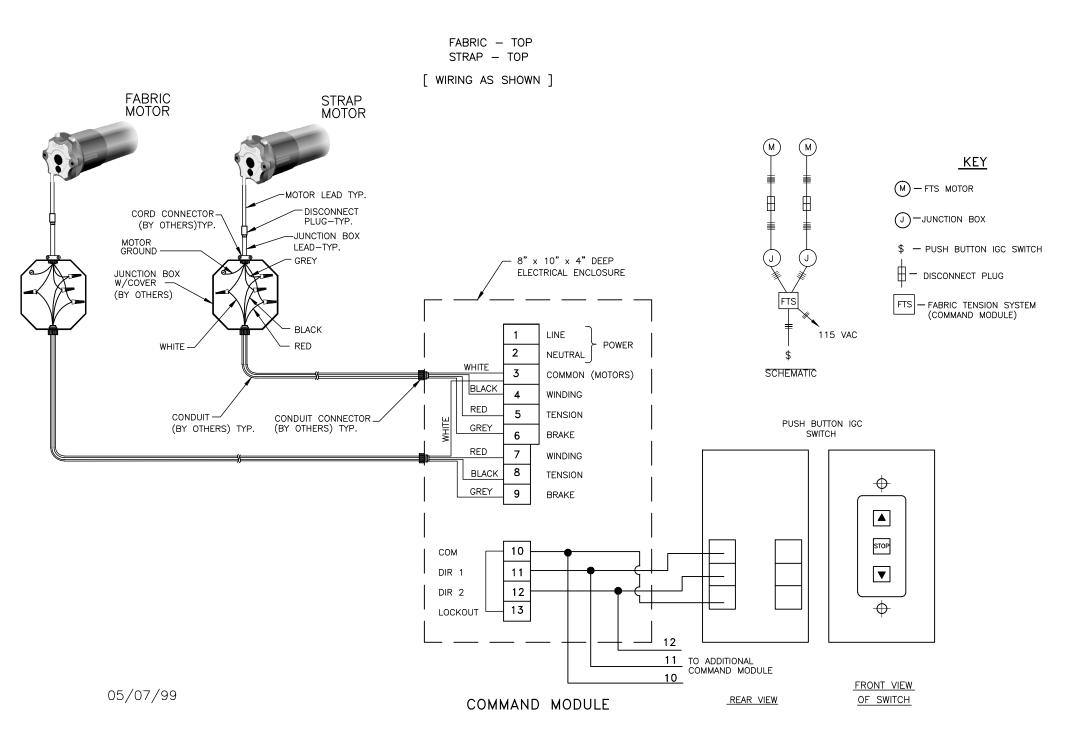
Connect the motors and switch to the electronic control as shown:



Check that the system operates correctly with respect to the switch directions. Make sure the limits have been properly set. At this point, there may be some fabric sag – this is normal.

Go to Setting Dynamic and Final Tension.





STANDARD WIRING DIAGRAM 2 MOTORS W/ 1 FTS MODULES ON ONE SWITCH

SHOP DRAWING DIMENSIONS HARDWARE SIZES **ROLL DIAMETER SIZES**

± 1/32" (0.79mm) ± 1/8" (3,18mm) ± 3/16" (4.76mm)

EDGE CLEARANCE RollerShade width and height dimensions (W x HT) are approximate, subject to final field dimensions to be scheduled by the Dealer/Contractor and provided to MechoShade Systems for fabrication in accordance with Contract Documents. Shop drawings are for typical details and shade locations only. Final sizes are not included.

FILE NAME: I:\Shop DWGs Current\M-3226ESBF - The Rivers School\Rev.2\fts-instuctions-#2-Bottom-up.dwg

MechoShade Systems, Inc. 2 01/18/11 42-03 35th Street NO CHANGE Long Island City, NY 11101 1 12/20/10 Tel: 718-729-2020 NEW PAGE Fax: 718-729-2941 NO. DATE DESCRIPTION Copyright © 2001 MechoShade Systems Inc.

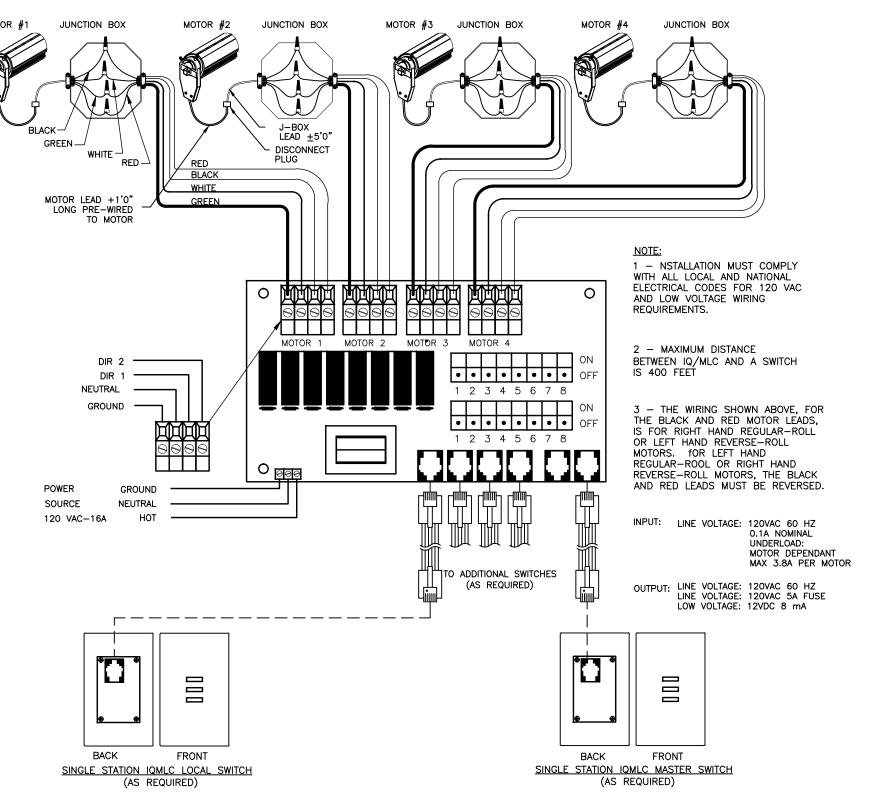
	JOB THE RIVERS SCHOOL NEW CAMPUS CENTER	DWG NO. M-3226ESBF REV.	
	WESTON, MA	JOB NO. 504595	
	PROPOSED DETAILS	PROPOSAL NO. 175426-0-3	
	"ELECTRO" SHADES	DATE SCALE AS NOTED	
	ARCHITECT DARIO DESIGNS, INC	DWN. BY J.L.R. CKD. BY G.B.	
: .	DEWER-TEX CONSTRUCTION SPECIALTIES, INC	SHEET NO. 9 OF 10	

| 4 | 1 | APPL | DLR | 12/20

4 1 APPL DLR 01/18

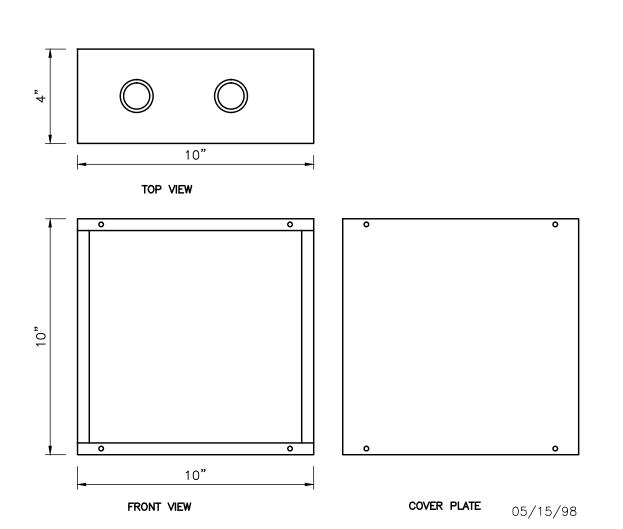
<u>NOTES:</u> SEE SHEET #1

I:\Shop DWGs Current\M-3226ESBF - The Rivers School\Rev.2\fts-instuctions-#2-Bottom-up.dwg, 1/18/2011 2:10:17 PM, DWG To PDF.pc3



STANDARD WIRING DIAGRAM 1-4 MOTORS WITH IQ/MLC AND MULTIPLE SWITCHES

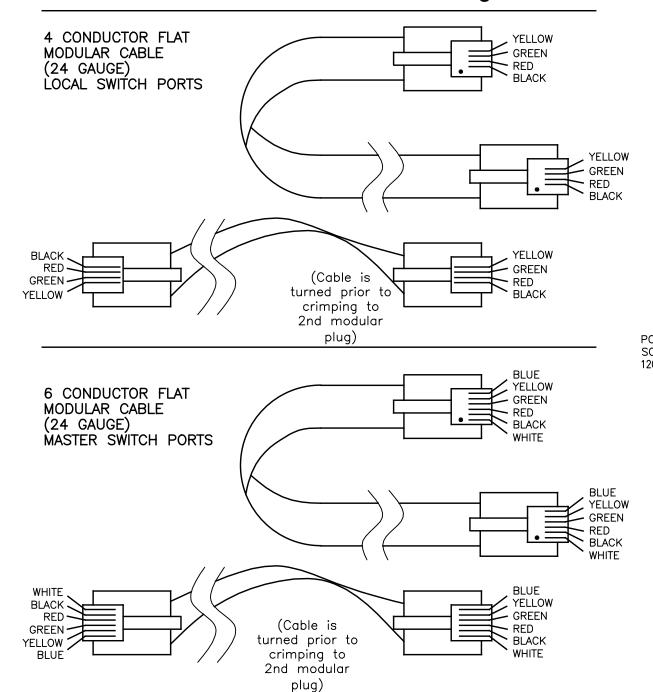
MAXIMUM WIRE RUN FROM FURTHEST IQ/MLC TO SWITCH MUST NOT EXCEED 400 FEET



10"x10"x4" SCREW COVER BOX

(USED FOR IQ/MLC)

Crimping Instructions for IQ/MLC Four and Six Conductor Flat Modular Switching Cables



To ensure proper switch connections, we highly recommend the use of a metal crimper such as the Weidmuller Stripper/Crimper or AMP Crimping Tool P/N 2-231652-8

STANDARD ELECTRICAL NOTES

All electrical—control equipment (switches, MLCs, SACs, WACs, photocells, anemometers, FTS units, etc.) as indicated is furnished only by MechoShade M Systems, Inc., installed and wired by the

All electrical—control equipment must be wired in accordance with the wiring diagrams prepared by MechoShade Systems and in accordance with the N.E.C. and local codes.

Except for I—Con Intelligent motor and / or RTS motor, parallel and/or series wiring of two or more motors on similar poles on a single switch or any other similar combination will void any applicable warranty and cause premature motor burnout.

For I-Con Intelligent motor and / or RTS motor, parallel and/or series wiring is allowed up to maximum circuit capacity

All wiring diagrams have been prepared for right-hand motors, regular roll or left-hand motors, reverse roll which are wired similarly. Right-hand motors, reverse roll and left-hand motors, regular roll require switching the red and black motor wires at the MLC (Motor-Logic Controllers) or the switch. This will prevent the motors from running in opposite directions.

All control equipment, such as MLCs (Motor-Logic Controllers), SACs/WACs (Sun-Activated Controllers/Wind Activated Controllers), AACs (astronomical Controllers), and all equipment that may have a transformer for low voltage must be wired in phase. If not in phase, premature transformers and/or motor burnout and inconsistent control operation may occur.

Electrical—control equipment may contain electromechanical relays, adjustment points, fuses, indicator lights, and other devices. These must be conveniently accessible for future servicing and adjustments during normal working hours and without disruption to the existing operations. This equipment shall be coded by the Electrical Contractor indicating shade locations and the specific motors which are controlled, and it shall be coded at the control equipment and circuit breaker.

Green motor wires are to be fastened to grounded junction boxes, conduits, or another suitable building ground.

STANDARD (BI-DIRECTIONAL) MOTORS

The standard ElectroShade —motor lead is a PVC 4 conductor #18 stranded cable approximately one foot (305mm) long with a 4 conductor disconnect-plug.

The standard ElectroShade[™] <u>furnished—only</u> junction—box lead is the same type as the motor lead and has a plug compatible to it. This lead is approximately five—feet (1525 mm) long.

One or two motors can be wired on a single (double-pole, double-throw) switch. Please refer to Drawing No. M-160 for point-to-point connection. However, three or four motors wired to a single switch require the use of an MLC; five to eight motors require two MLCs; nine to 12 require three; and so forth. See Drawings No. M145 and M146.

The standard ElectroShade —motor lead is a PVC 5 conductor #18 stranded cable approximately one foot (305mm) long with a 6 conductor disconnect—plug.

The standard ElectroShade <u>furnished—only</u> junction—box lead is the same type as the motor lead and has a plug compatible to it. This lead is approximately five—feet (1525 mm) long. One or four FTS systems can be wired on a single push—button switch. Please refer to

Drawing No. ____ for point-to-point connection. However, four or more FTS systems wired to a sinale switch require the use of a SGC; five to eight motors require one SGC; nine to 12 require two; and so forth. See Drawings No. _____

Some point-to-point wiring diagrams may not include motor disconnect-plugs, junction boxes, and cable raceways that may be essential for a complete installation.

REVISIONS

TYPICAL ELECTRICAL RATING FOR STANDARD MOTORS:

Actual Electrical rating is Job specific and is based on required Motor and selected Control

^{/2}\ 01/18/11

/1\ |12/20/10

NO. DATE

120 Volts 60HZ 0.9 Amps 108 Watts

02/06/2008

1 APPL DLR 01/1

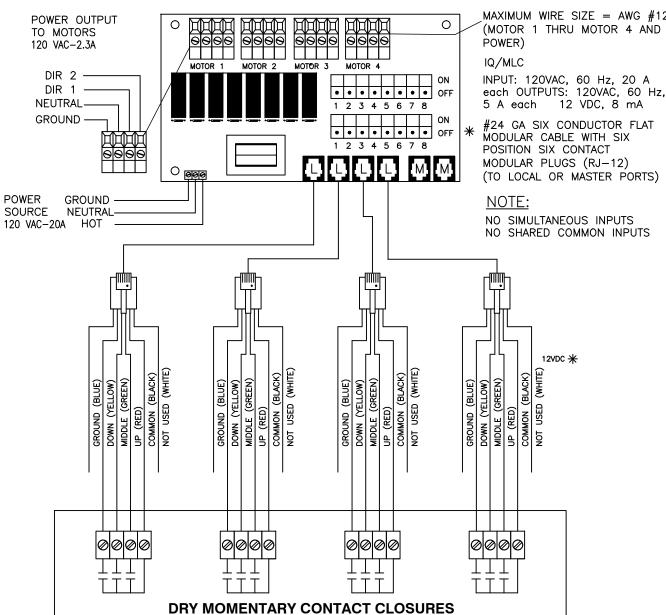
. | 1 | APPL | DLR | 11/29

DLR 12/2

Connecting to Other Interfaces

NOTE:

1 — NSTALLATION MUST COMPLY WITH ALL LOCAL AND NATIONAL ELECTRICAL CODES FOR 120 VAC AND LOW VOLTAGE WIRING REQUIREMENTS. 2 - MAXIMUM DISTANCE BETWEEN IQ/MLC AND A SWITCH IS 400 FEET



The IQ/MLC can be connected to any interface that uses a momentary dry contact closure (3 dry contact closures per switch for full function or 2 for partial).

Local Ports

Local Ports use a 4-conductor 24 gauge modular cable and RJ11 connector with the following pin positions:

Pin 1: Common (Black) Pin 2: Top (Red)

Pin 3: Middle (Green)

Pin 4: Bottom (Yellow)

Master Ports use a 6-conductor 26 gauge flat modular cable and RJ12 connector with the following pin positions:

Master Ports & Local Ports

Pin 1: Not used (White) Pin 2: Common (Black) Pin 3: Top (Red) | Pin 4: Middle (Green) Pin 5: Bottom (Yellow)

I Pin 6: Ground (Blue)

Only momentary closures of a minimum one—half of a second will engage the relays to raise or lower the shades. Maintained closures will not activate relays for the period of time they are closed. To stop shades at any point along the window, a momentary closure is required between common and any direction

For example, if shades are to be brought to the 50% point from the local port, a momentary closure between pins 1 and 3 would be required. However from the master port, a momentary closure between pins 2 and 4 would be required.

Calibration Mode:

Calibration Mode can be activated from the master port by closing contacts between pins 2, 3 and 5 simultaneously for a minimum of 10 seconds. Calibration can also be accessed from a local port only for those motors associated to that local port (via dip switch settings) by closing contacts between pins 1, 2 and 4 simultaneously for a minimum of 10 seconds.

Uniform Mode:

To access or leave the Uniform Mode from the master port, close contacts between pins 2, 3, 4 and 5 simultaneously for a minimum of 10 seconds.

Pin assignments for default and custom intermediate stop positions for both Local Ports and Master Ports

Default intermediate stop positions

Full Up	Pins 2 and 3
25% Down	Pins 2, 3 & 4
50% Down	Pins 2 and 4
75% Down	Pins 2, 4 & 5
Full Down	Pins 2 & 5

Custom intermediate stop positions

Position	Master Ports
Full Up	Pins 2 and 3
1st Position	Pins 2, 3 & 4
2nd Position	Pins 2 and 4
3rd Position	Pins 2, 4 & 5
Full Down	Pins 2 & 5

Custom Calibration (To activate: close contacts for 10 seconds minimum) Local Ports **Master Ports**

Close contacts between Pins 1, 3 and 4 Pins 2, 3 and 5

Uniform Mode (To toggle in/out: close contacts for 10 seconds minimum)

Local Ports **Master Ports** Close contacts between Pins 2, 3, 4 and 5 Pins 1, 2, 3 and 4

PER ARCHITECT'S REVISION NO CHANGE DESCRIPTION Copyright © 2001 MechoShade Systems Inc.

MechoShade Systems, Inc. 42-03 35th Street Long Island City, NY 11101 Tel: 718-729-2020 Fax: 718-729-2941

THE RIVERS SCHOOL NEW CAMPUS CENTER WESTON, MA M-3226ESBF REV. 2 JOB NO. 504595 PROPOSAL NO. 175426-0-3 PROPOSED DETAILS DATE SCALE NOTED "ELECTRO" SHADES DARIO DESIGNS, INC DWN. BY J.L.R. CKD. BY G.B. DEWER-TEX CONSTRUCTION SPECIALTIES, INC SHEET NO. 10 OF 10

Master Ports

FILE NAME: I:\Shop DWGs Current\M-3226ESBF - The Rivers School\Rev.2\elec-pg2.dwg

NOTES:

SEE SHEET #1